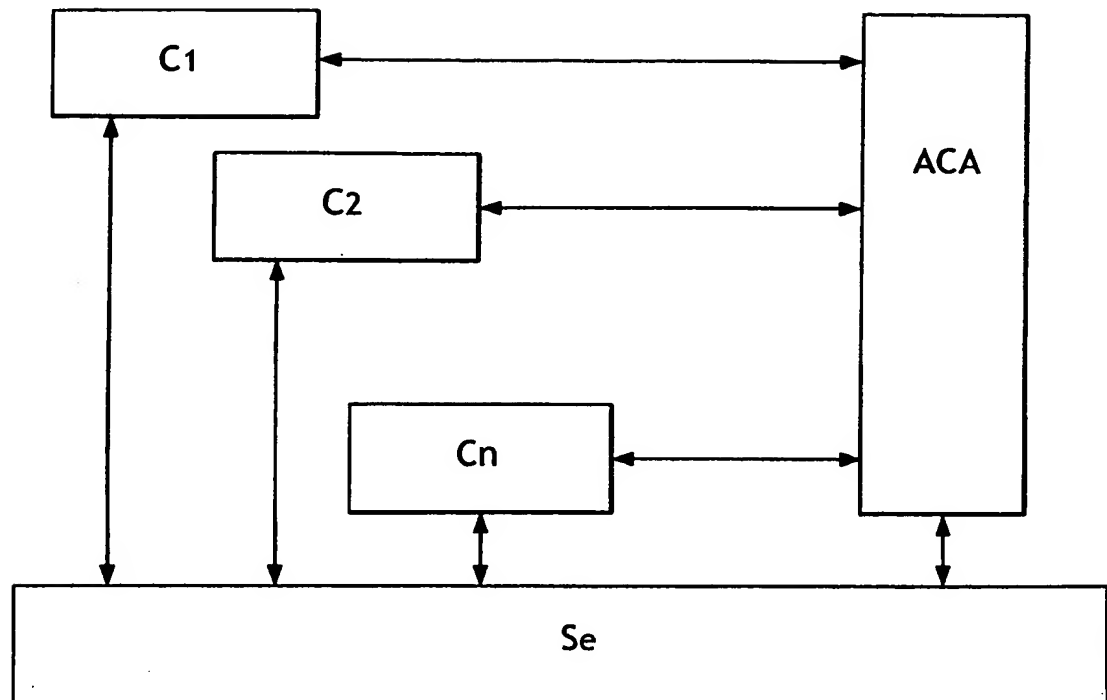
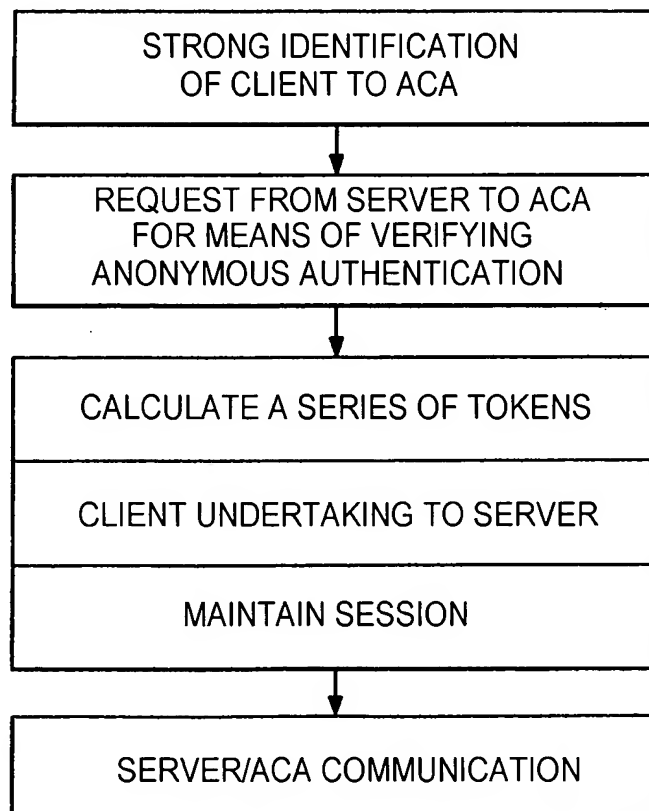


FIG.1FIG.2

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FIG.3

Initialization token-signing and session-opening protocol

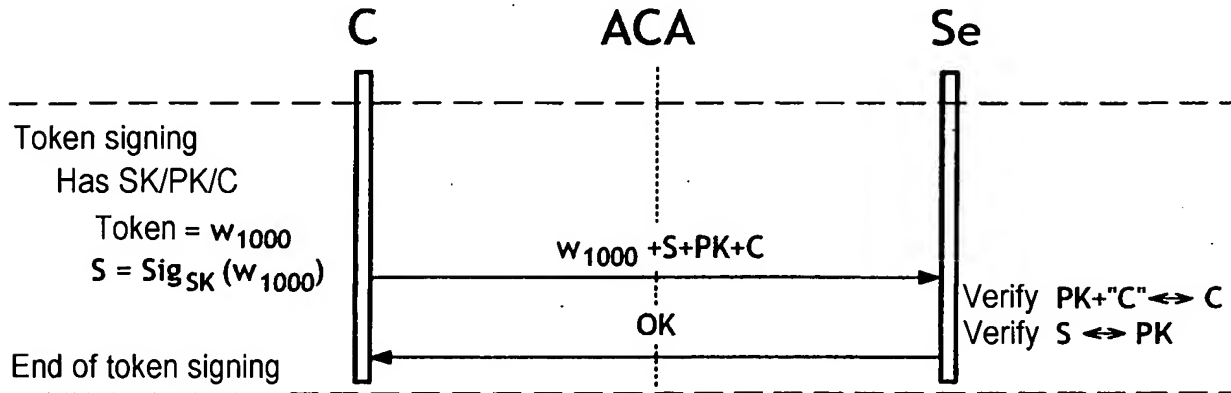
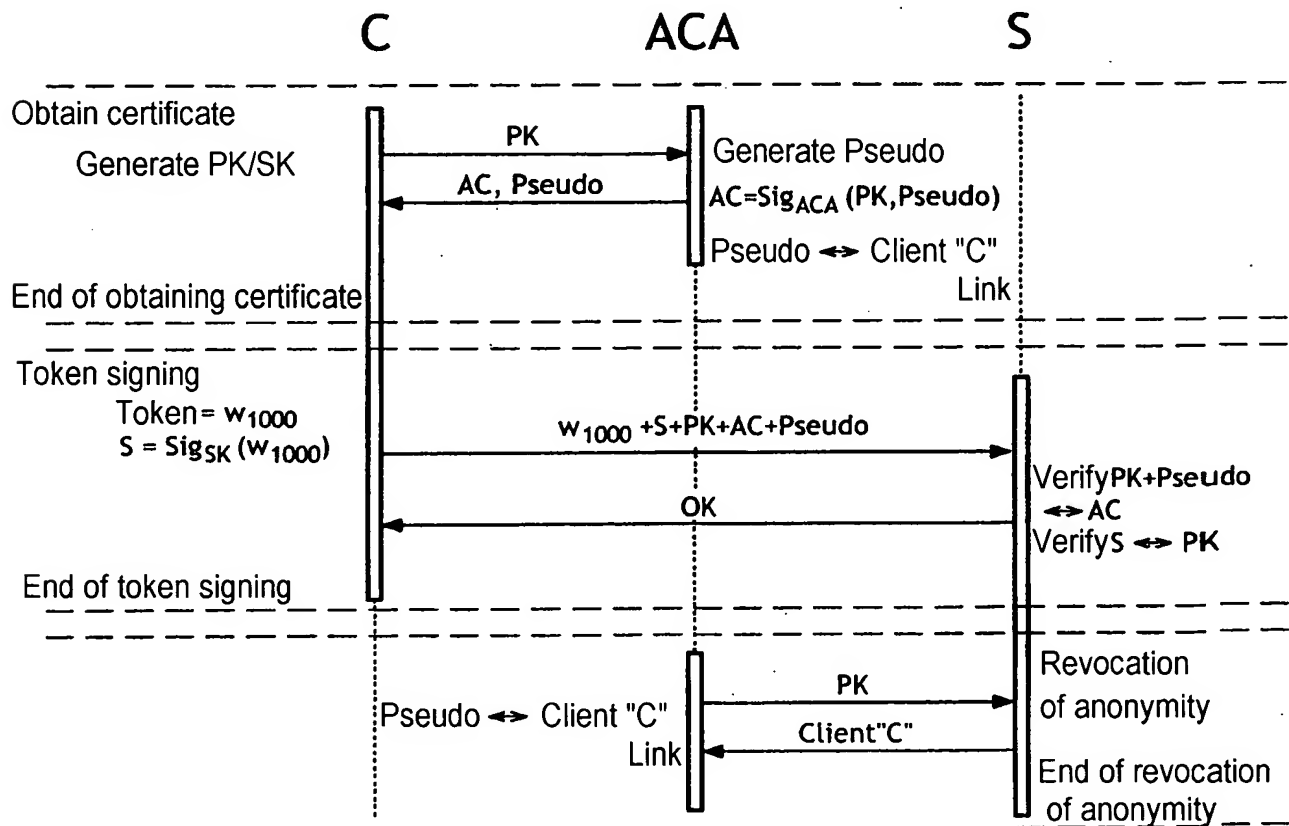


FIG.4

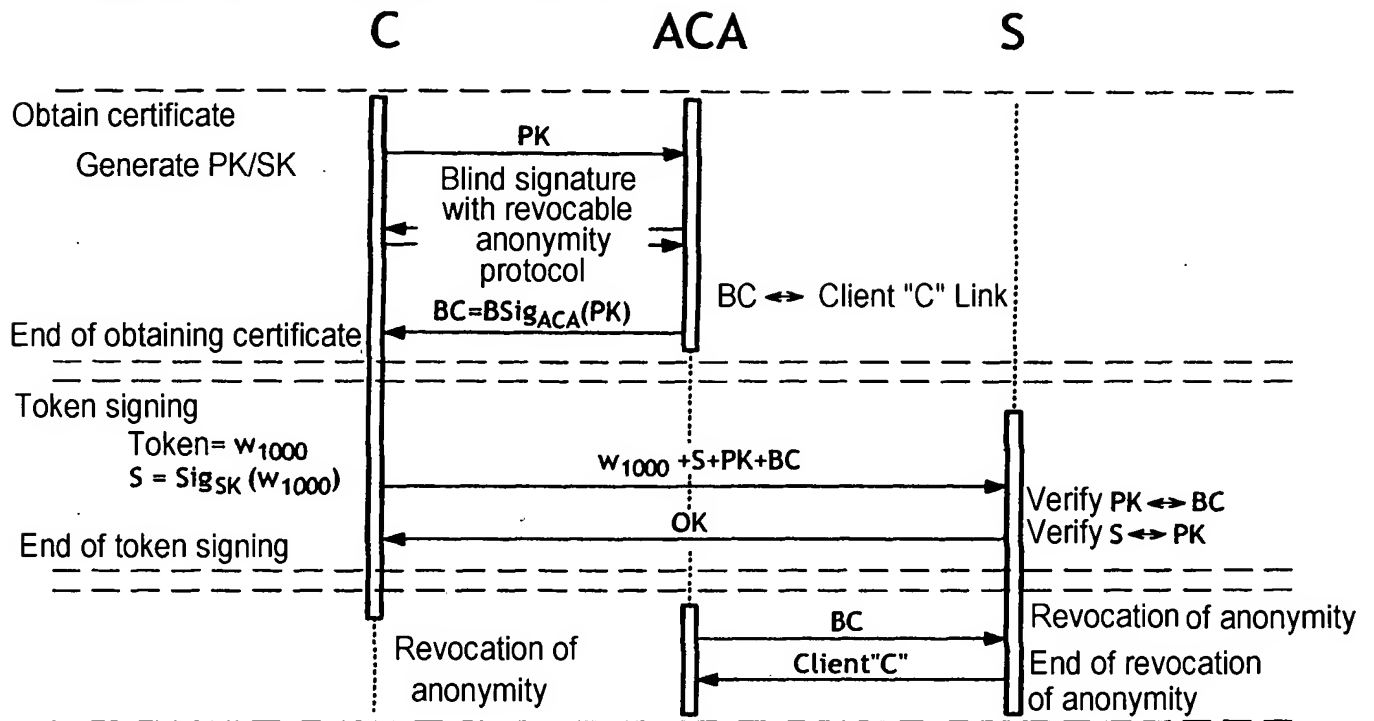
Anonymous certificate



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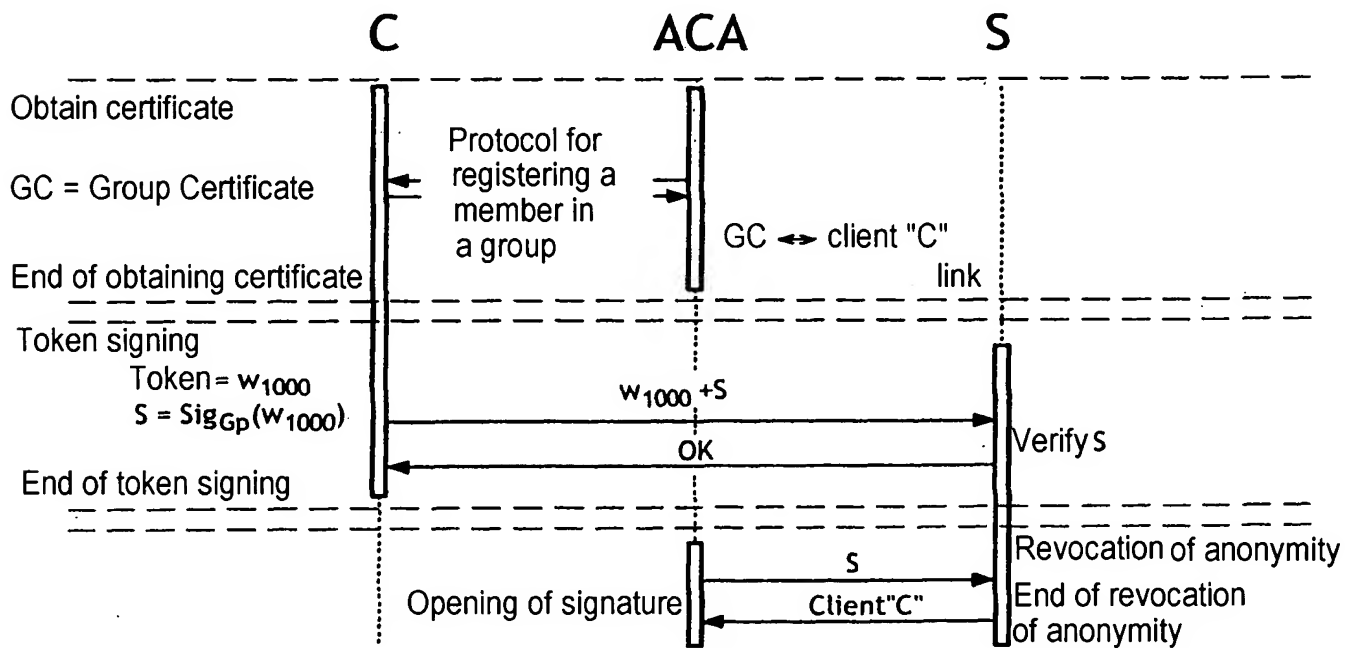
FIG.5

Blind signature with revocable anonymity



Group signature

FIG.6



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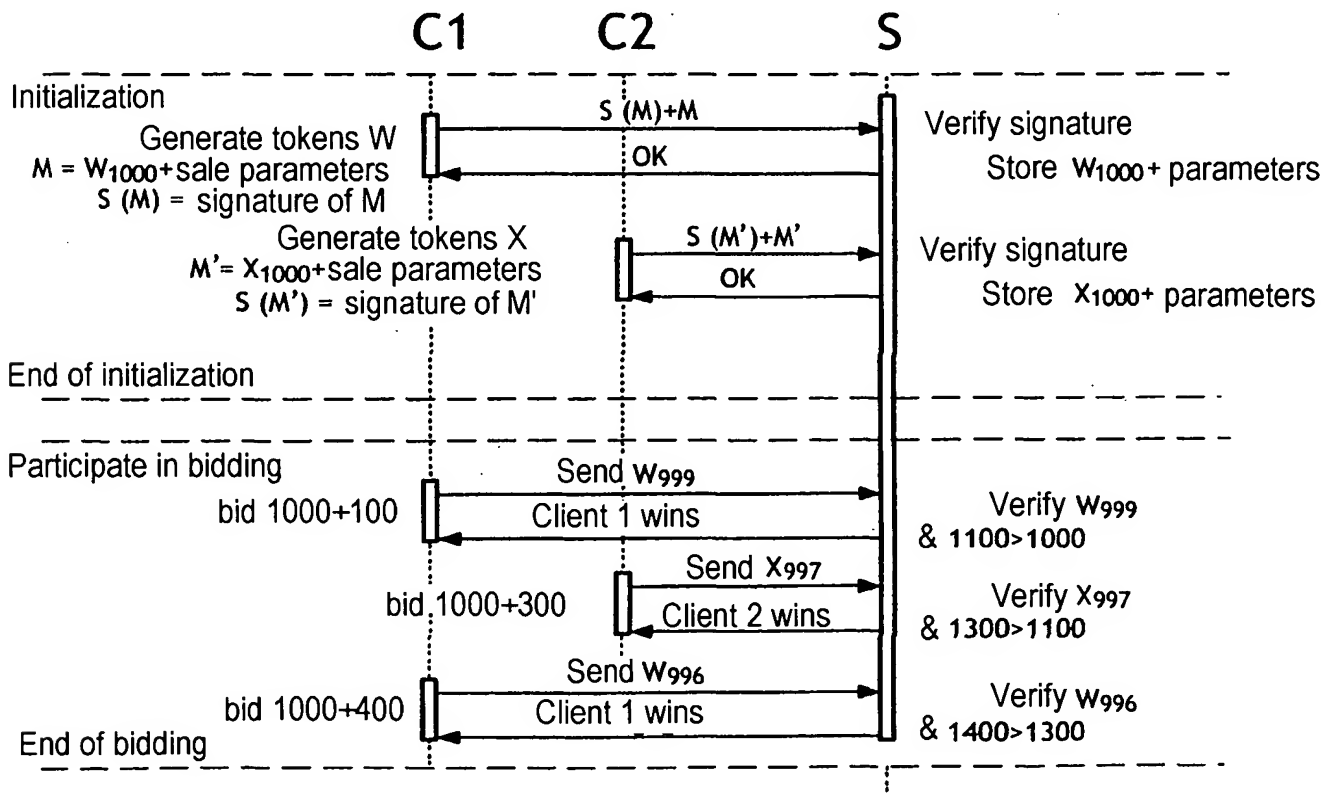
FIG.7

Server S: initialization				
Client C1		Client C2		Bid
Token	Value	Token	Value	Starting bid
W_{1000}	signature	X_{1000}	signature	1000

Instruction 1: Client 1 bid				
Client C1		Client C2		Bid
Token	Value	Token	Value	Current bid
W_{999}	100	X_{1000}	0	1100

Instruction 2: Client 1 bid				
Client C1		Client C2		Bid
Token	Value	Token	Value	Current bid
W_{999}	100	X_{997}	$3 \cdot 100$	1300

Instruction 3: Client 1 bid				
Client C1		Client C2		Bid
Token	Value	Token	Value	Current bid
W_{996}	$4 \cdot 100$	X_{997}	$3 \cdot 100$	1400



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FIG.8

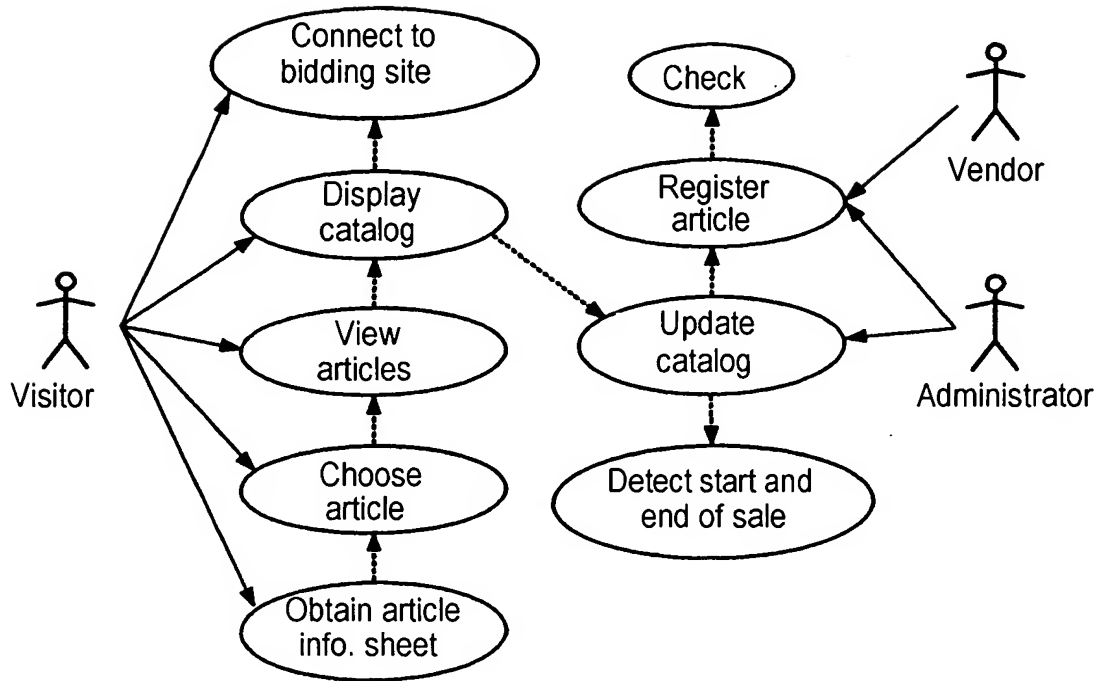
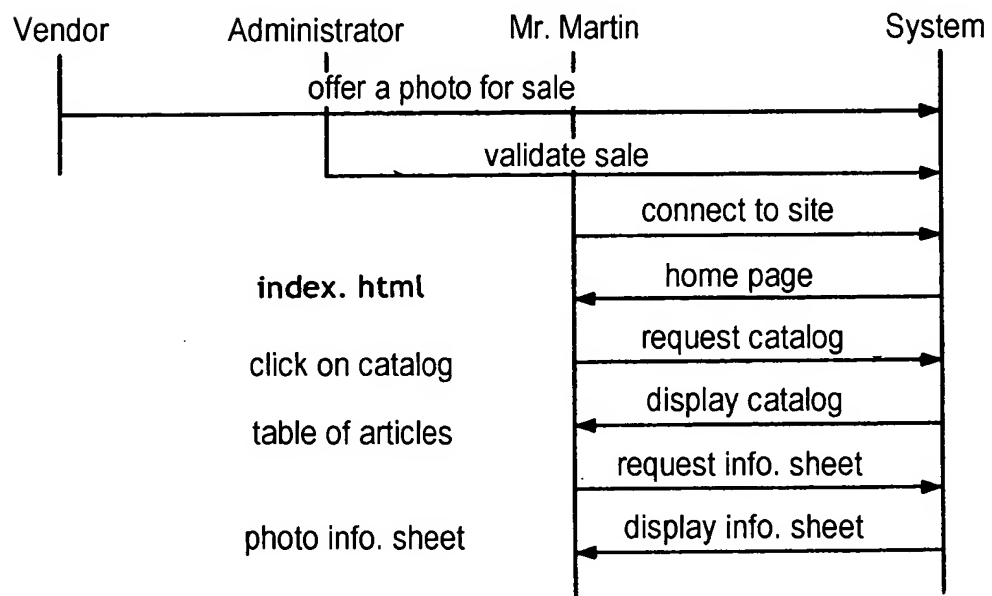


FIG.9



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FIG.10

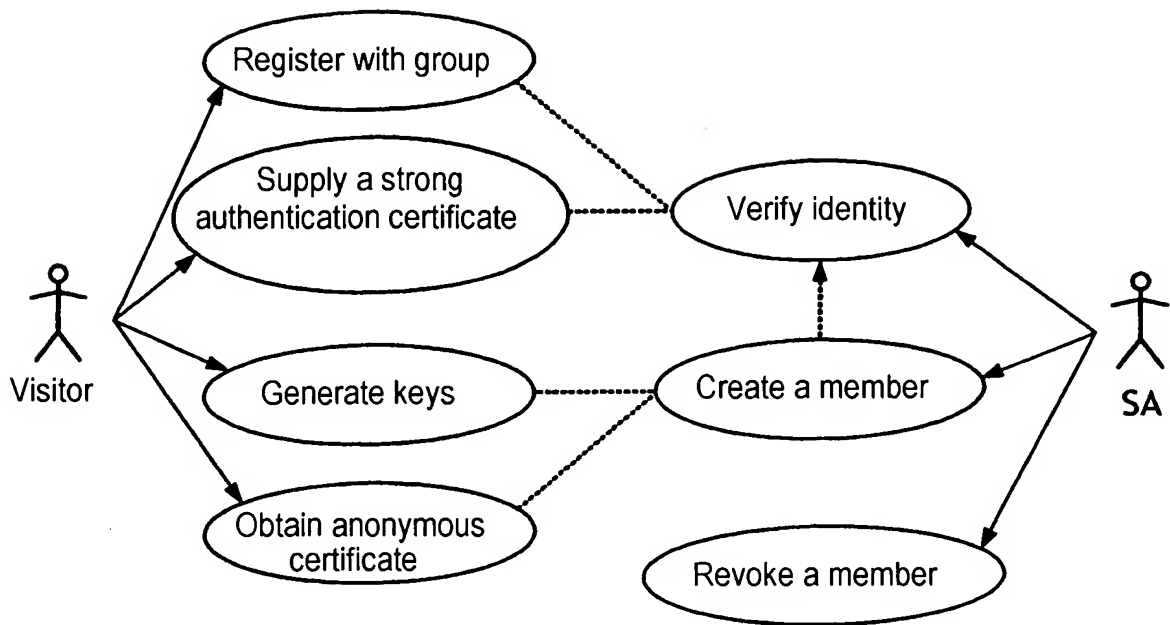
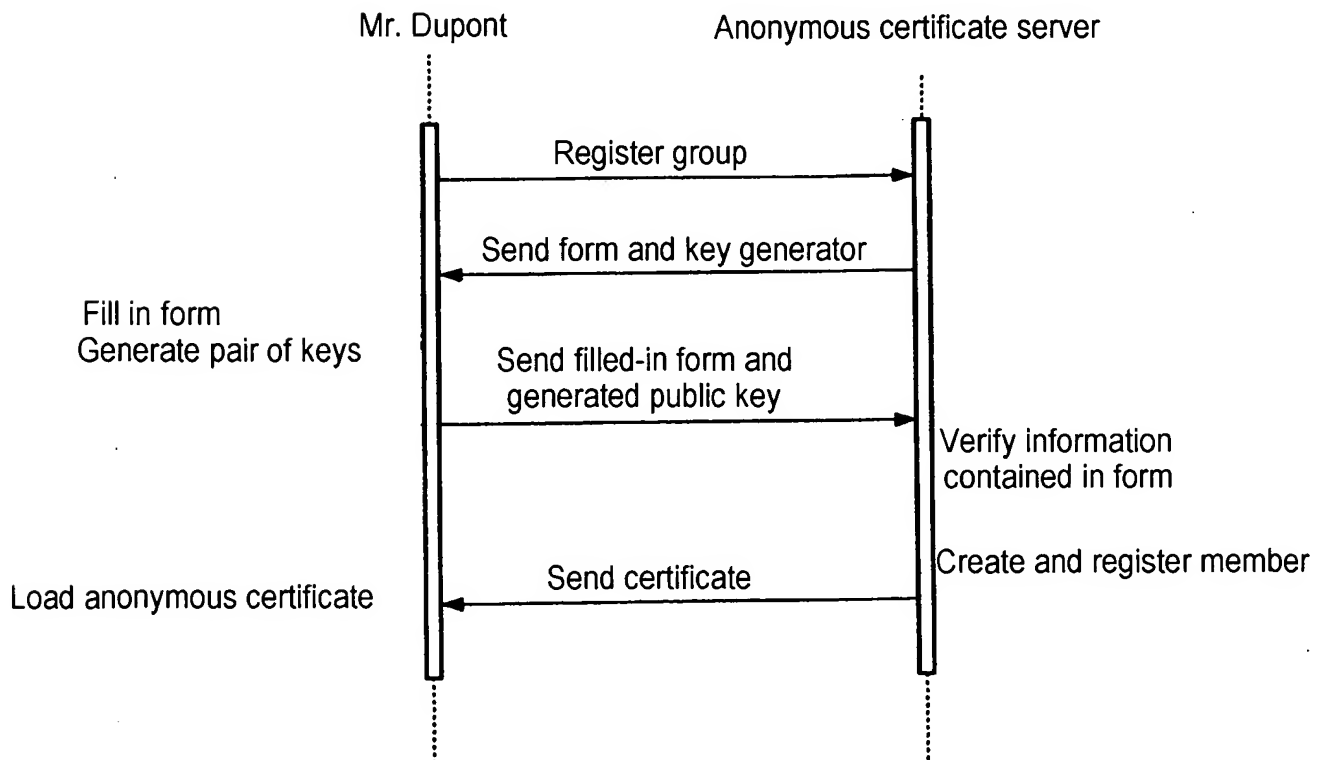


FIG.11



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FIG.12

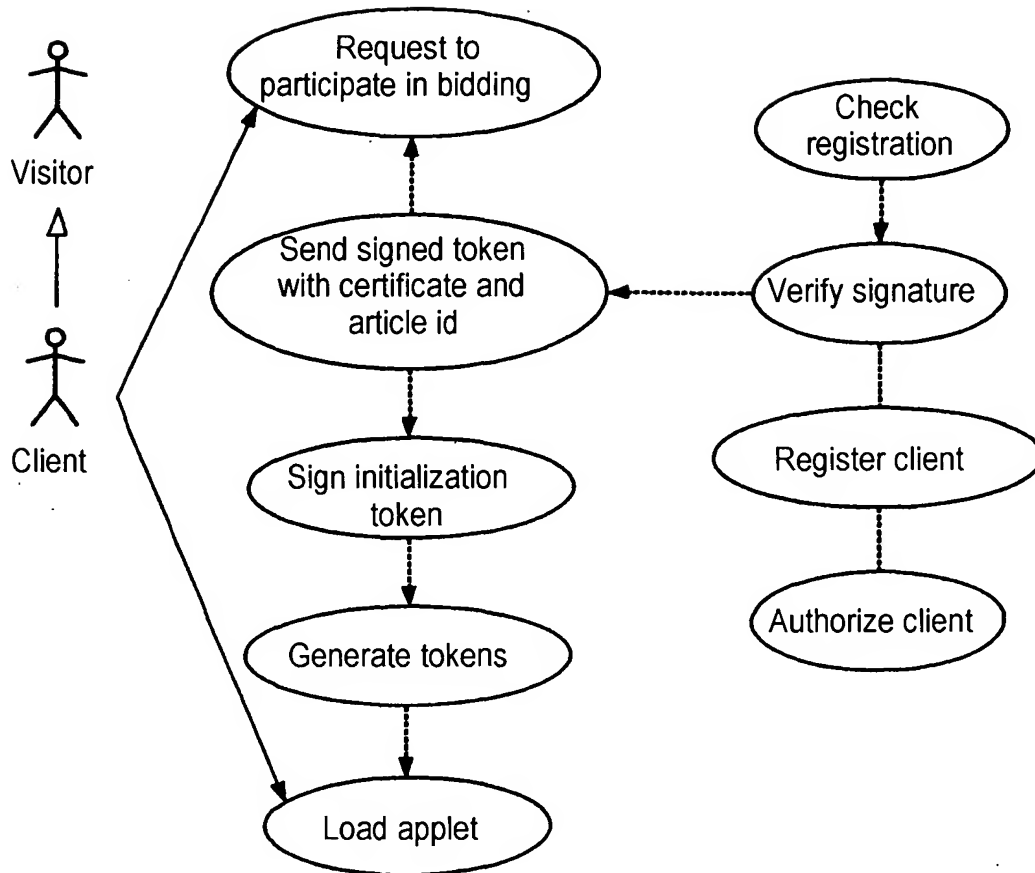
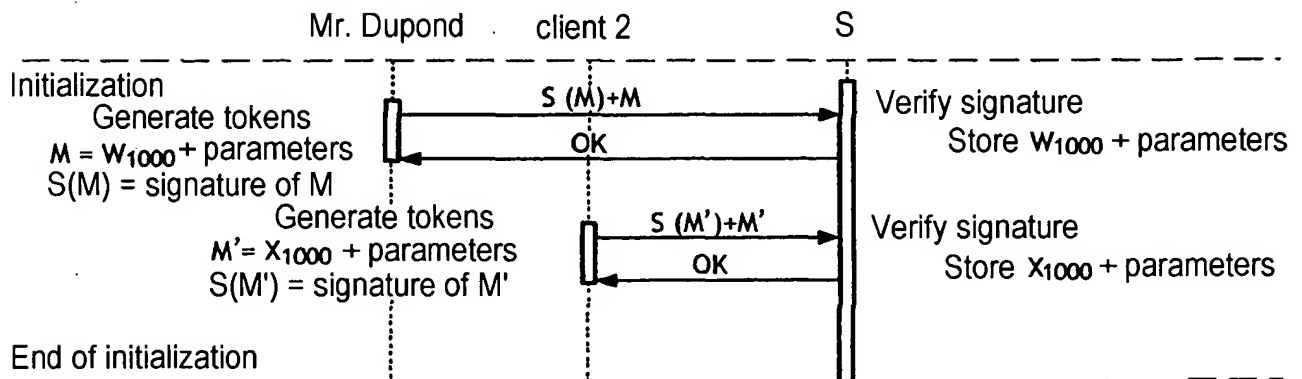


FIG.13



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FIG.14

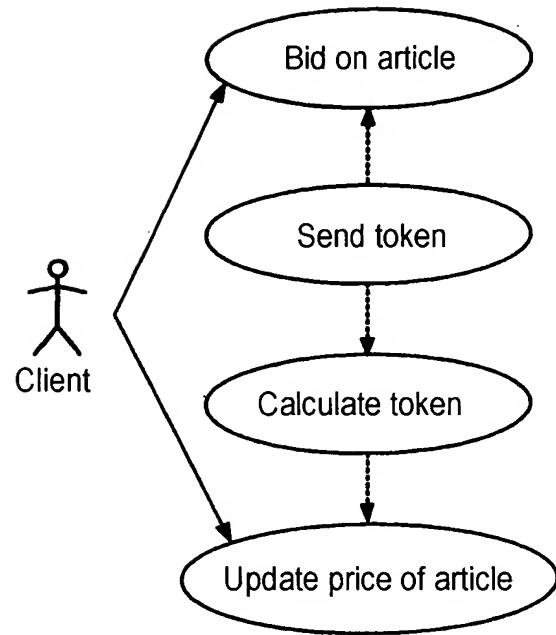
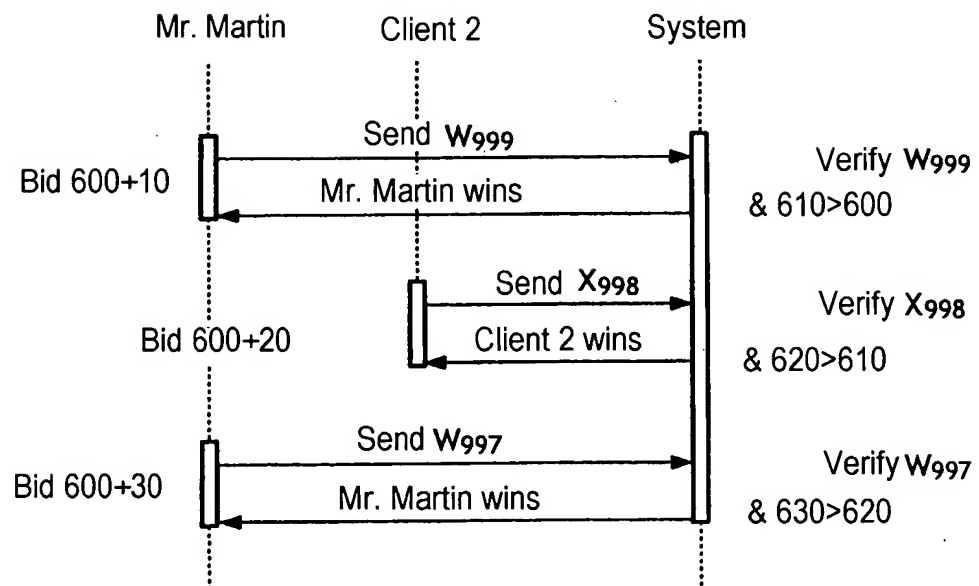
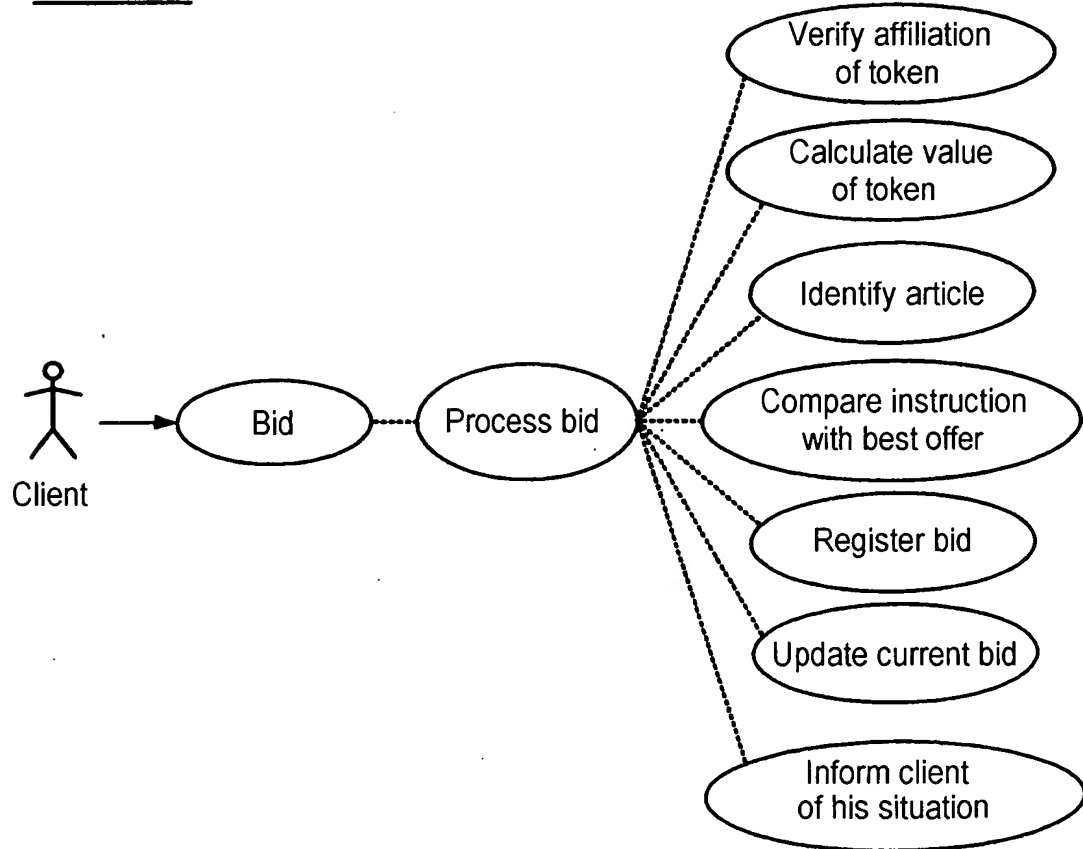
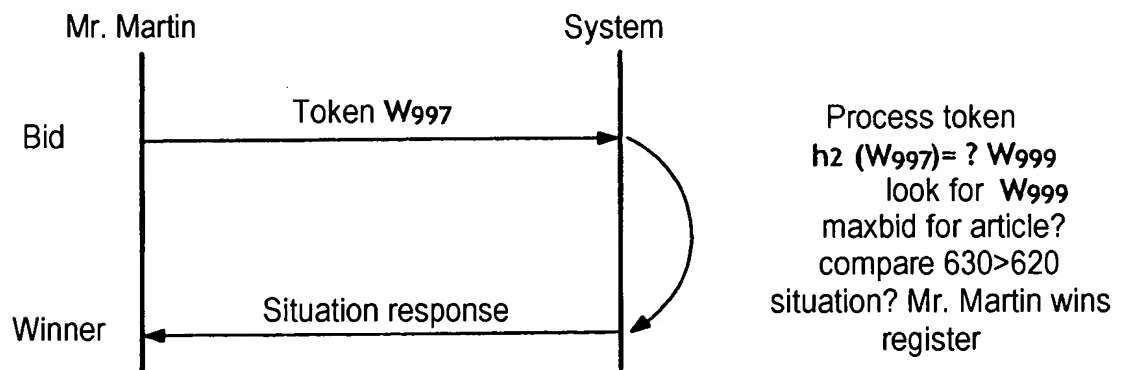


FIG.15



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FIG.16FIG.17

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FIG.18

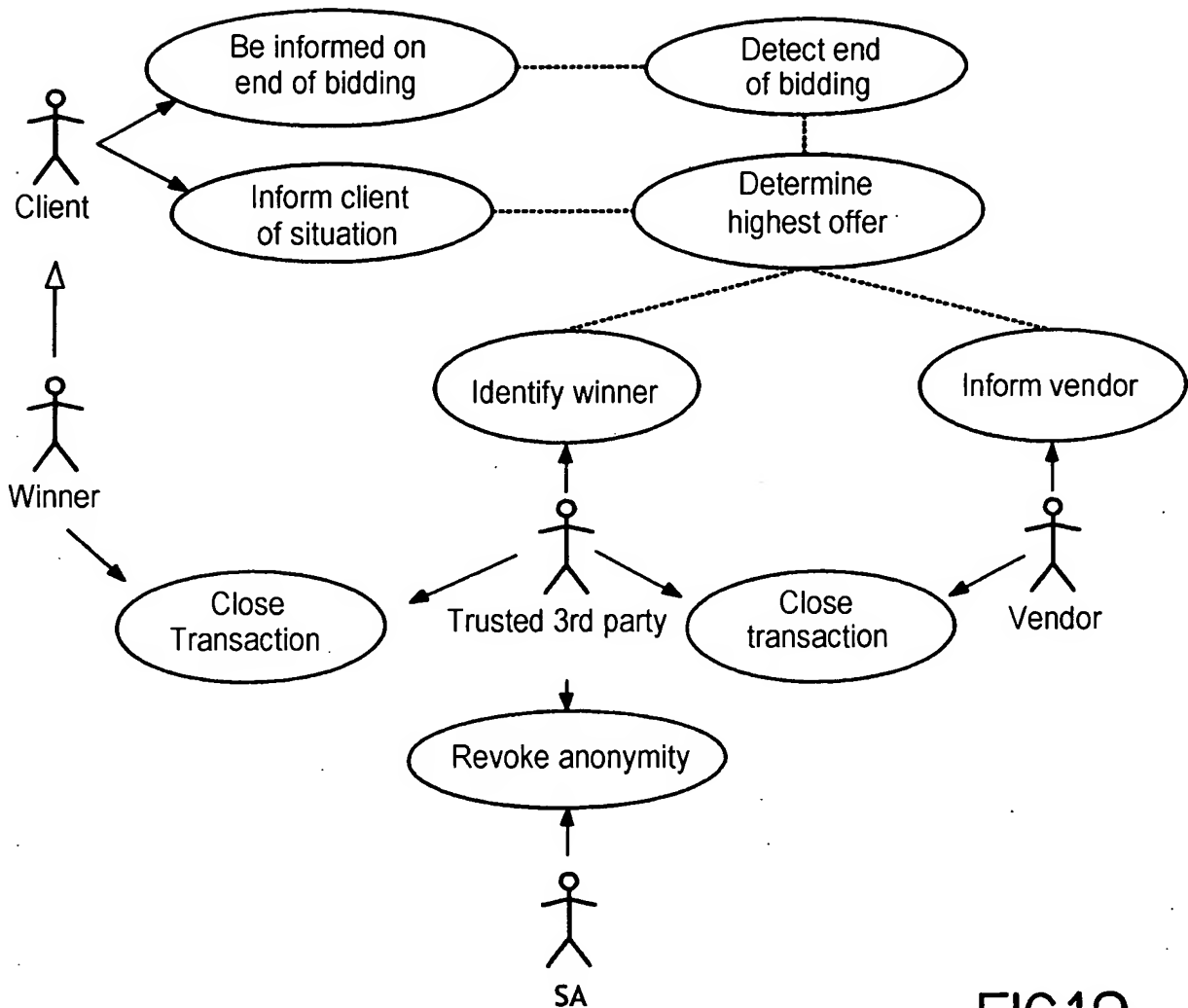
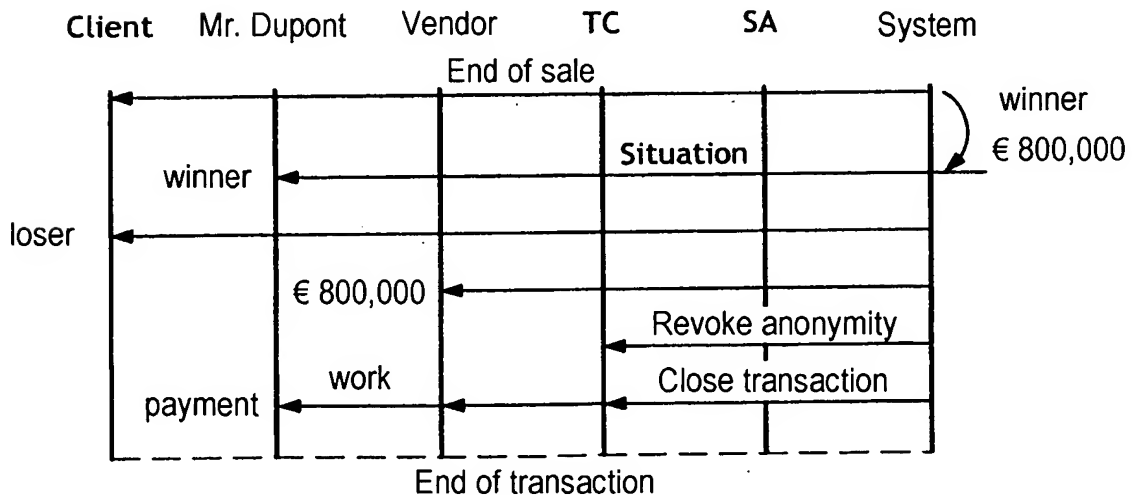


FIG.19



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FIG.20